BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Emergency works (Construction of Culverts and other Works) in Ward No. 09 of Vidyaranyapura Sub Division.**

			Estimate Cost:						2000000.00
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.2 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, **Page No. 5 / Item No. 2.3/ PWD SR 2014-15**	Cum							
	Bottom Concrete		8	7.50	1.80	1.20	129.60		
	Rangamandira		1	28.20	0.90	1.20	30.46		
	Bus Shulter		2	13.20	0.90	1.20	28.51		
	RCC Drain		1	50.00	0.90	0.90	40.50		
							229.07	264.60	**60611.00**
	Basic Rate	245.00							
	Area Weightage @8%	19.60							
	Total	**264.60**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2014-15**	Cum							
	Bottom Concrete		8	7.50	1.80	0.15	16.20		
	Rangamandira		1	28.20	0.90	0.15	3.81		
	Bus Shulter		2	13.20	0.90	0.15	3.56		
	For Flooring		1	8.10	5.10	0.15	6.20		
			2	3.60	2.10	0.15	2.27		
			1	50.00	0.90	0.15	6.75		
							38.79	4847.04	**187995.00**
	Basic Rate	4488.00							
	Area Weightage @ 8%	359.04							
	Total	**4847.04**							
3	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 **Page No. 23 / Item No. 5.6 / PWD SR 2014-15**	Cum							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Rangamandir		1	28.20	0.75	0.45	9.52		
			1	28.20	0.60	0.45	7.61		
	Bus Shulter		2	13.20	0.60	0.60	9.50		
							26.64	3836.16	**102178.00**
	Basic Rate	3552.00							
	Area Weightage @ 8%	284.16							
	Total	**3836.16**							
4	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 23 / Item No. 5.9 / PWD SR 2014-15**	Cum							
	CD wall		8x2	7.50	0.60	0.90	64.80		
	Rangamandir basement		1	28.20	0.45	0.45	5.71		
	Bus Shulter		2	13.20	0.45	0.45	5.35		
							75.86	4542.48	**344577.00**
	Basic Rate	4206.00							
	Area Weightage @ 8%	336.48							
	Total	**4542.48**							
5	KSRB 15.1.4: Providing ruled pointing to coursed stone masonry with cement mortar 1:4, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications cement mortar 1:4. **Page No. 109 / Item No. 15.4 / PWD SR 2014-15**	Sqm							
			8x2	7.50		0.90	108.00		
			2	30.00		0.60	36.00		
			4	15.00		0.45	27.00		
							171.00	92.88	**15882.00**
	Basic Rate	86.00							
	Area Weightage @ 8%	6.88							
	Total	**92.88**							
6	KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12/ Item No. 4.6/ PWD SR 2014-15**	Cum							
	Pointing		8	7.50	1.80	0.10	10.80		
	Ramp		8x2	7.50	0.60	0.15	10.80		
	for columns		6	0.75	0.75	0.90	3.04		
			8	0.75	0.75	0.90	4.05		
	coping		1	28.20	0.45	0.10	1.27		
			1	13.20	0.45	0.10	0.59		
							30.55	5327.64	**162762.00**

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Basic Rate	4933.00							
	Area Weightage @ 8%	394.64							
	Total	**5327.64**							
7	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **No. 13/ Item No. 4.11/ PWD SR 2014-15**	Cum							
			8	7.50	1.80	0.23	24.84		
			1	50.00	0.90	0.15	6.75		
			2	50.00	0.15	0.60	9.00		
			1	50.00	0.90	0.10	4.50		
							45.09	6065.28	**273483.00**
	Basic Rate	5616.00							
	Area Weightage @ 8%	449.28							
	Total	**6065.28**							
8	KSRB 4.9.1: **Providing mild steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 **Page No. 17 / Item No. 4.45 / PWD SR 2014-15**	Qtl							
	For Roof, Columns @ 90 Kg / Cum		0.90	45.09			**40.58**	7975.80	**323666.00**
	Basic Rate	7385.00							
	Area Weightage @ 8%	590.80							
	Total	**7975.80**							
9	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.31/ PWD SR 2014-15**	Sqm							
			8	7.50	0.60		36.00		
			8x2	7.50		0.23	27.60		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			8x2	1.80		0.23	6.62		
							70.22	292.68	**20553.00**
	Basic Rate	271.00							
	Area Weightage @ 8%	21.68							
	Total	**292.68**							
10	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. No. KBS 2.9, **Page No. 6 / Item No. 2.10 / PWD SR 2014-15**	Cum							
			1	8.10	5.10	0.60	24.79		
			2	3.60	2.10	0.45	6.80		
							31.59	118.80	**3753.00**
	Basic Rate	110.00							
	Area Weightage @ 8%	8.80							
	Total	**118.80**							
11	KSRB 8.3-1 Providing and laying to required line and slope roofing with corrugated asbestos cement sheet 6mm thick fixed with galvanised iron J or L hooks, bolts and nuts 8 mm dia C.I. plain and bitumen washers over the existing purlins, rafters and trusses including cost of materials, labour, complete as per specifications Specification No KBS 8.5 **Page No. 46 / Item No. 8.3 / PWD SR 2014-15**	Sqm							
			1	10.00	7.00		70.00		
			2	5.50	4.00		44.00		
							114.00	375.84	**42846.00**
	Basic Rate	348.00							
	Area Weightage @ 8%	27.84							
	Total	**375.84**							
12	Fabricating, supplying anderecting MS Angular Truss for all spans as per approved designs and drawing The entire turss is anchored suitably by using 4 Nos/ of M.S anchor bolts at each support, with base plate and shoe plate. The work includes cutting, straightening placing in position of MS angle and welding wherever necessary and applying one coat of red oxide primer coat to all the members including cost of all materials, labour charges and hire charges of machineries foe cutting, welding, grinding and erection equipments etc complete as per specificaiton **Page No. 41 / Item No. 7.30 / PWD SR 2014-15**	Kgs							
			as per calculation sheet				**1600.00**	132.84	**212544.00**
	Basic Rate	123.00							
	Area Weightage @ 8%	9.84							
	Total	**132.84**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
13	Providing and fixing Special make glazed Vitrified tiles (Granomite finis) of approved make, quality and colour of sized 6000x600x10mm thick fixed on existing flooring wit ha special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. **Page No. 104 / Item No. 14.43 / PWD SR 2014-15**	Sqm							
			1	9.00	6.00		54.00		
			2	1.50	0.90		2.70		
			2	1.50	0.20		0.60		
			2	4.50	3.00		27.00		
							84.30	1212.84	**102242.00**
	Basic Rate	1123.00							
	Area Weightage @ 8%	89.84							
	Total	**1212.84**							
14	Providing and laying platform using prepolised water cutt / gang saw 40mm thick telephonic black granite laid on existing vertical supports and fixingin CM 1:3 proporation including cutting to required shape, pattern with paper joints including full rounding for nising finished with cement mortar, pointed with colour pigments to match the colour of slab making though jointing with sealant making holes 25mm x 12 mm grooves in joints including curing **Page No. 105 / Item No. 14.52 / PWD SR 2014-15**	Sqm							
			2	4.00	0.40		3.20		
			4	2.50	0.40		4.00		
			14	0.40	0.60		3.36		
							10.56	3688.20	**38947.00**
	Basic Rate	3415.00							
	Area Weightage @ 8%	273.20							
	Total	**3688.20**							
15	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 138 / Item No. 19.1/ PWD SR 2014-15**	Cum							
	Drain Desilting								
			2	230.00	0.45	0.40	82.80		
			2	350.00	0.45	0.40	126.00		
	Berm Cutting								
			2	230.00	0.90	0.25	103.50		
			2	350.00	0.90	0.25	157.50		
							469.80	75.60	**35517.00**
	Basic Rate	70.00							
	Area Weightage @8%	5.60							
	Total	**75.60**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
16	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km	Cum							
			Vide Item No. 1				**698.87**	73.57	**51415.00**
	Average weight of earth 1.28 tonne / kg for 2.00X1.28X2.00 = 5.12	5.12							
	PWD SR 2014-15 (P.130 / I.17.1) For loading and unloading	63.00							
		68.12							
	Area Weightage @ 8%	5.45							
	Total	**73.57**							
17	Sub Total								**1978971.00**
18	Third Party Inspection Charges @ 1%								**19790.00**
19	Miscellaneous and other Charges	L/S							**1239.00**
								Total	**2000000.00**

(Rs. Twenty Lakhs Only)

Administrative sanction for Rs. 20.00 Lakhs
Twenty lakhs only
P- 1771
is accorded under
registered as EE No:
to conditions contained enclosed memo.
No:...../...../.....
AE/JE
EE (BTP Div.)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2014-15.
3 This work included under 2014-15 POW Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

20/10
Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

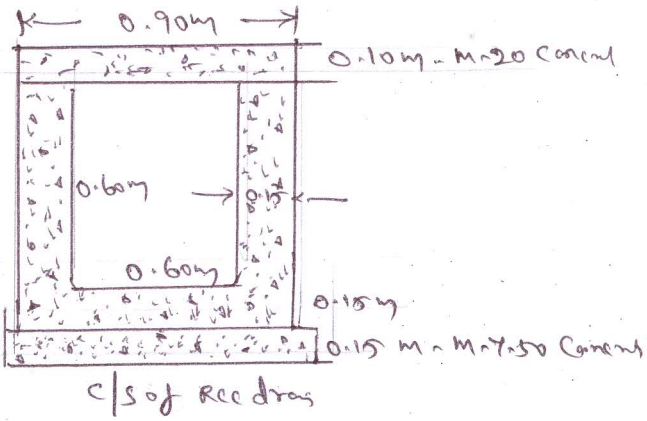
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

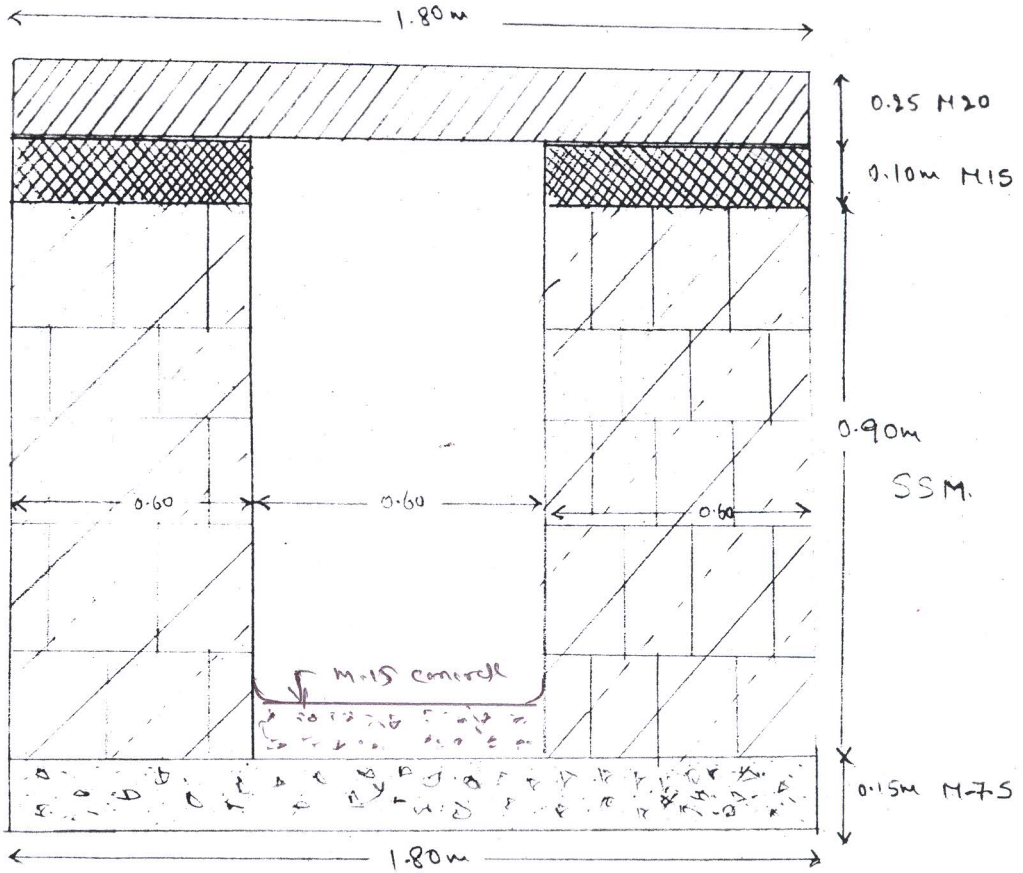
ADMINISTRATIVELY SANCTIONED FOR Rs. 20.00
Rupees Twenty Lakhs only
Under P-1771
Registered as EE ( ) No 9.....9.....
Subject to conditions contained in enclosed memo EE ( ) No /9/....
Dt Estimate A/Sanctioned
No 1071/2014-15
dated 04/12/2014 Rs 20.00

Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92

20.00 Lakhs
Twenty Lakhs.
153/14-15
Registered as EE ( ) No
to conditions contained enclosed memo EE ( ) No
No: TS/EE/153/14-15 29/10/14
AE/JE
EE (BTP.Div.)

Sketch showing the Cross-section of Rcc drain and culvert in Ward No. 09



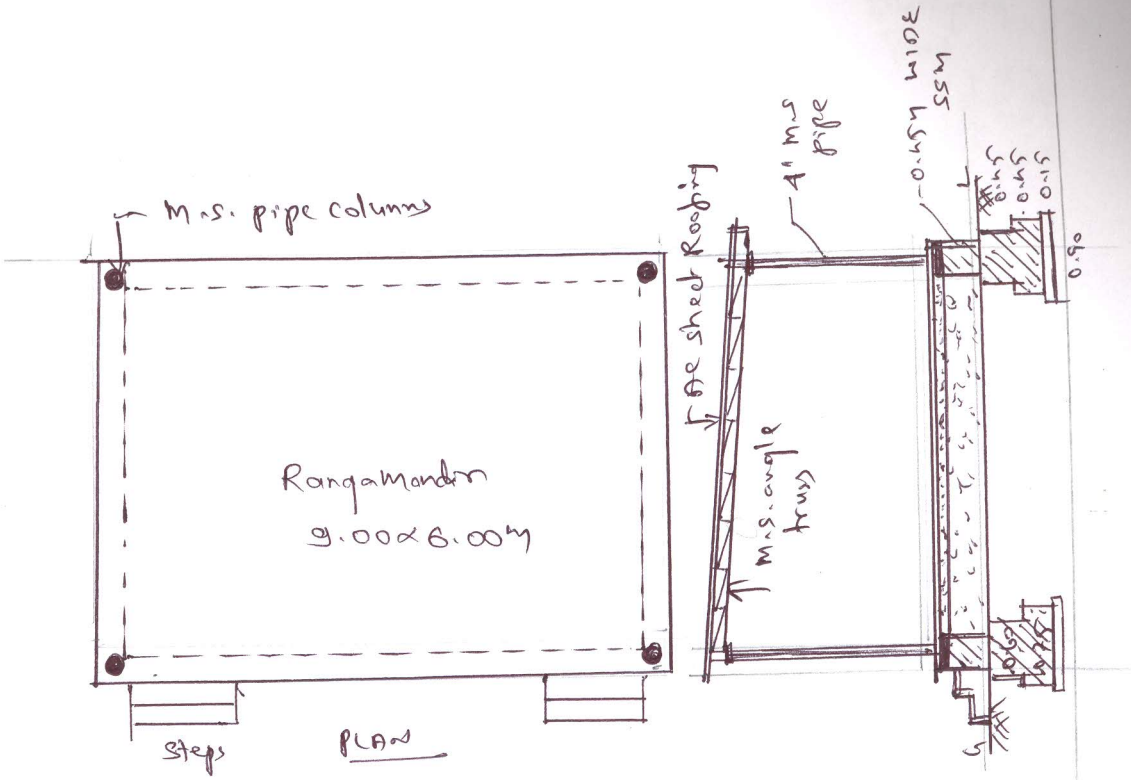


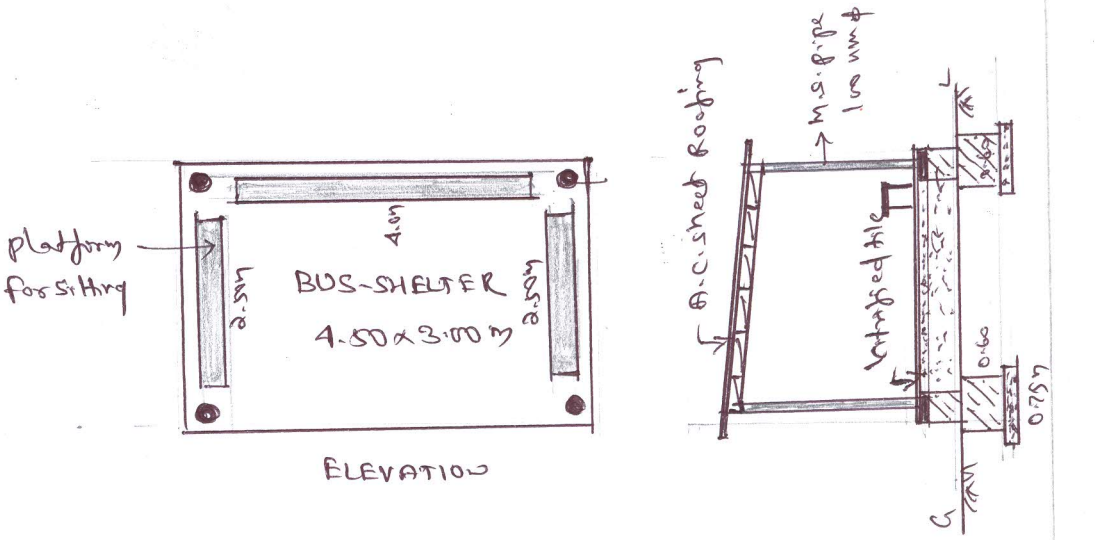
CROSS SECTION OF CULVERT

A-C
A.E.Wy

ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ,
ಬೃ. ಬೆಂ. ಮ ಸಾ. ಬೆಂಗಳೂರು-೯೭

Sketch showing the plan for Construction of Rangamandir and Bus-shelters in Ward No. 09 of Kudyaramyapura

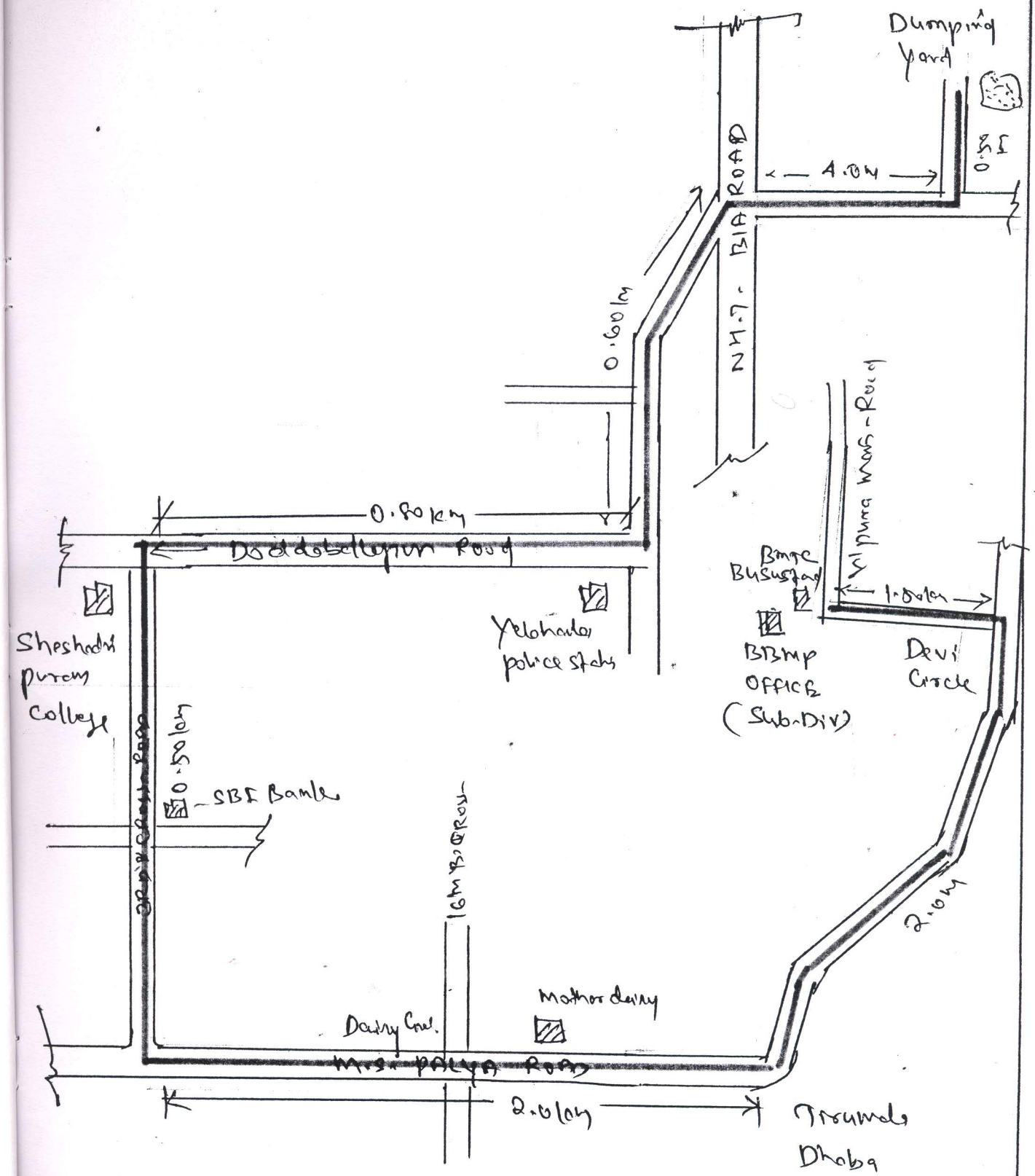




AE-Wks

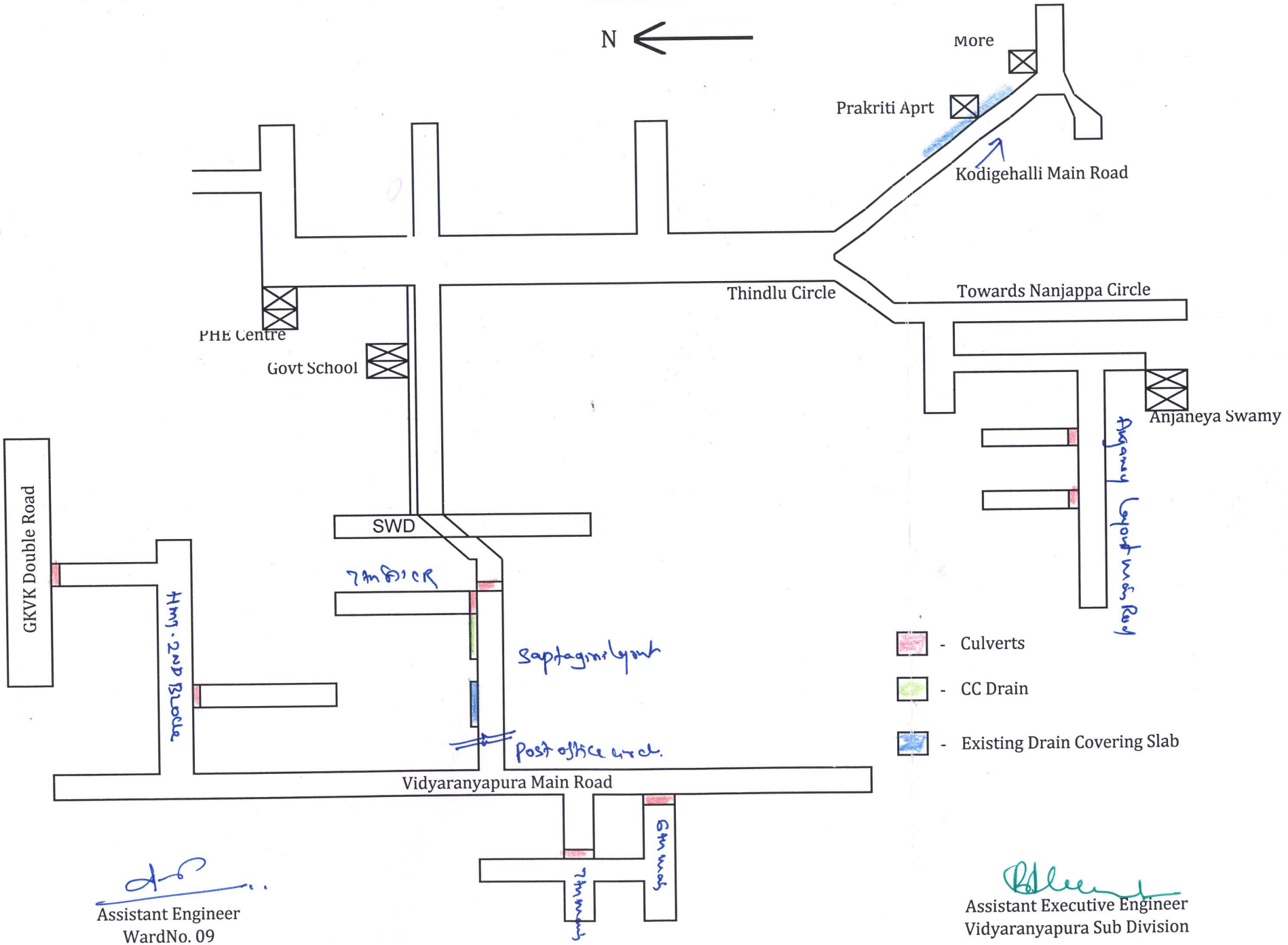
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು.
ವಿದ್ಯುದೀಕೃತ ಉಪ ವಿಭಾಗ.
ಯಲಹಂಕ ವಲಯ,
ಬೃ ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97.

LEAD CHART FOR DUMPING-YARD FOR WARD NO 09



ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ
ಬೃ. ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97

Name of Work: Emergency works (Construction of Culverts and other Works) in Ward No. 09 of Vidyaranyapura Sub Division.



Assistant Engineer
WardNo. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division